

Preface for the Second International Workshop on Knowledge Graph Generation from Text

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TEXT2KG is the second Workshop on Knowledge Graph Generation From Text co-located with ESWC-2023. The primary aim of this workshop is to bring together researchers from multiple focus areas such as Natural Language Processing (NLP), Entity Linking (EL), Relation Extraction (RE), Knowledge Representation and Reasoning (KRR), Deep Learning (DL), Knowledge Base Construction (KBC), Semantic Web, Linked Data, and other related fields to foster a discussion and enhance the state-of-the-art in knowledge graph generation from the text. The workshop had an exciting invited keynote, Heiko Paulheim, Professor, University of Mannheim, Germany. The organizing team is thankful to everyone involved in making the TEXT2KG workshop 2023 a success. First, our thanks go to all the organizers of the main events and Program Committee members for ensuring a rigorous review process that led to an excellent scientific program and an average of three reviews per article. TEXT2KG team is also thankful to keynote speaker (Heiko Paulheim) and all steering committee (Amit Sheth, Sören Auer, Alfio Gliozzo, Enrico Motta, Anna Fensel, Maria Esther Vidal, Edlira Vakaj, Fernando Ortiz-Rodriguez, Sven Groppe), and Publication Chair (Joey Yip) for their valuable contributions.

TEXT2KG 2023 also has a BiKE Challenge to explore Biochemical Knowledge Extraction. TEXT2KG 2023 workshop has received 14 papers and accepted 13 papers after a rigorous reviewing process. All accepted papers were long papers. Each paper was reviewed by three reviewers with different backgrounds. The following papers were accepted for publication and presented at the workshop:

- Plenary Speeches of the Parliament of Finland as Linked Open Data and Data Services
- Building Online Public Consultation Knowledge Graphs
- The Utilization of Artificial Intelligence for Developing Autonomous Social Robots within Health Information Systems

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CEUR Workshop Proceedings (CEUR-WS.org)

- Knowledge Graph Data Enrichment based on a Software Library for Text Mapping to the Sustainable Development Goals
- A Comprehensive Methodology for Re-evaluation of Knowledge Graph Embedding Models
- Ont-OCEL: An Ontology-based Representation for OCEL
- Science and Technology Ontology: A Taxonomy of Emerging Topics
- Towards Tailored Knowledge Base Modeling using Masked Language Models
- Exploring In-Context Learning Capabilities of Foundation Models for Generating Knowledge Graphs from Text
- Semi-supervised Construction of Domain-specific Knowledge Graphs
- Assessing the impact of Word Embeddings for Relation Prediction: An Empirical Study
- Is GPT fit for KGQA? – Preliminary Results
- Semantification of CEUR-WS with Wikidata as a target Knowledge Graph

Keynote

- Heiko Paulheim ”Knowledge Graph Generation from Wikipedia in the Age of ChatGPT: Knowledge Extraction or Knowledge Hallucination?” ”

Best Paper Award

- We have taken the opinion of all organizers and steering and advisory committee to decide the best paper award and it was finally awarded to:
 - **Plenary Speeches of the Parliament of Finland as Linked Open Data and Data Services.** *Eero Hyvönen, Laura Sinikallio, Petri Leskinen, Senka Drobac, Rafael Leal, Matti La Mela and Jouni Tuominen*

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